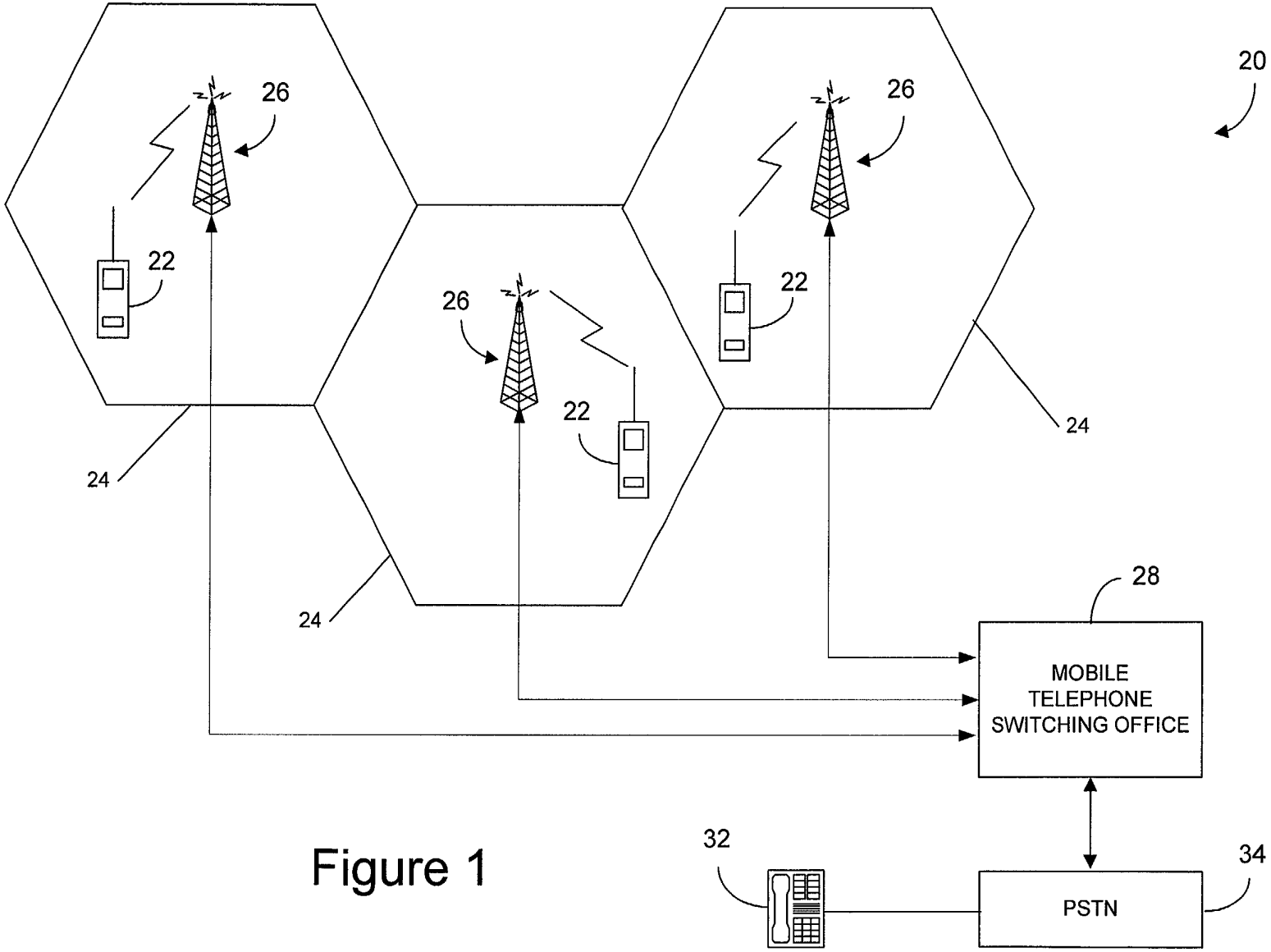
20
26
26
26
22
22
22
24
24
24
28
MOBILE
TELEPHONE
SWITCHING OFFICE
32
34
PSTN

Figure 1

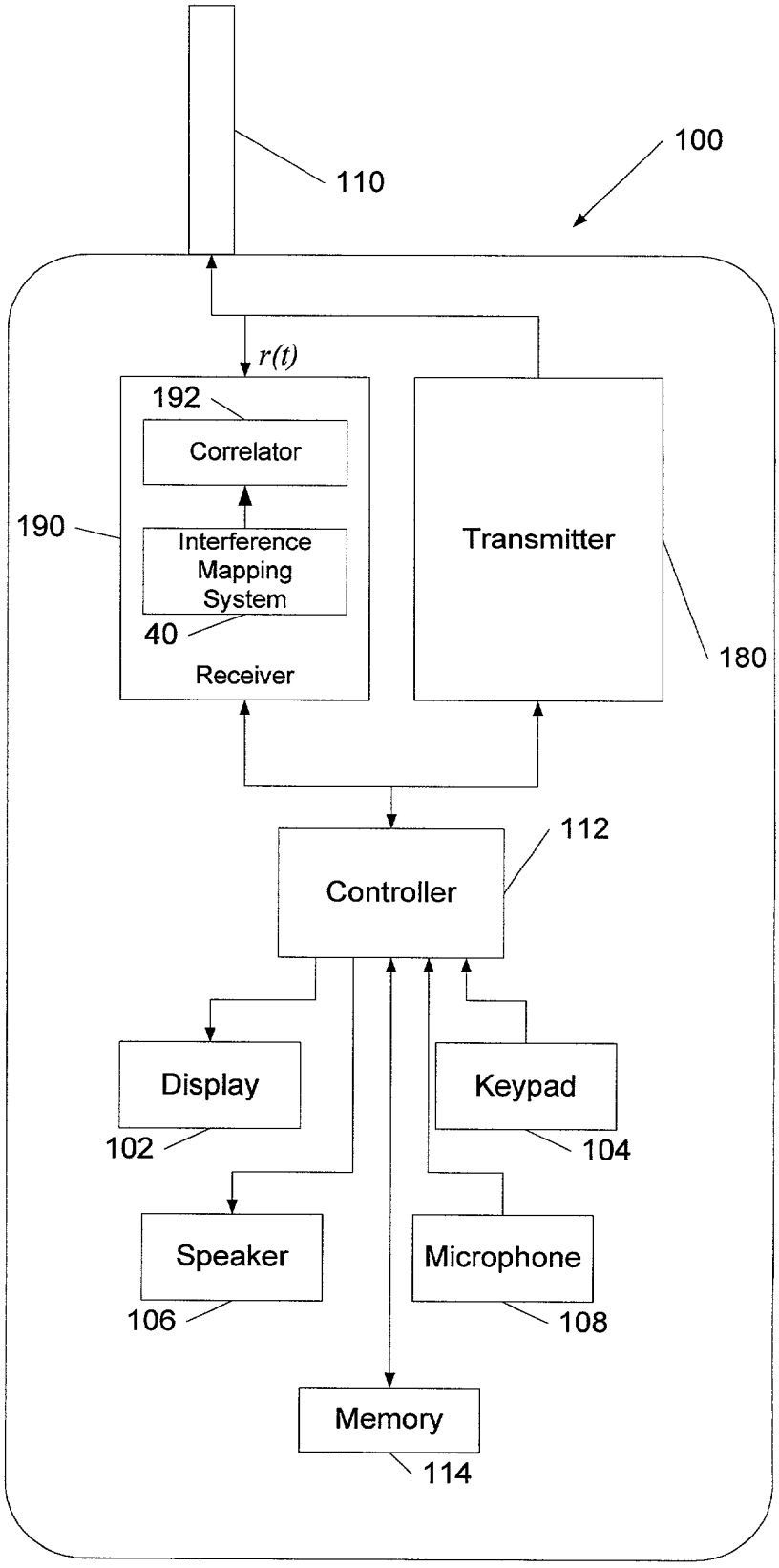
110
100
r(t)
192
Correlator
190
Interference Mapping System
40
Receiver
Transmitter
180
112
Controller
Display
102
Keypad
104
Speaker
106
Microphone
108
Memory
114

Figure 2

EP 1 760 950 A2

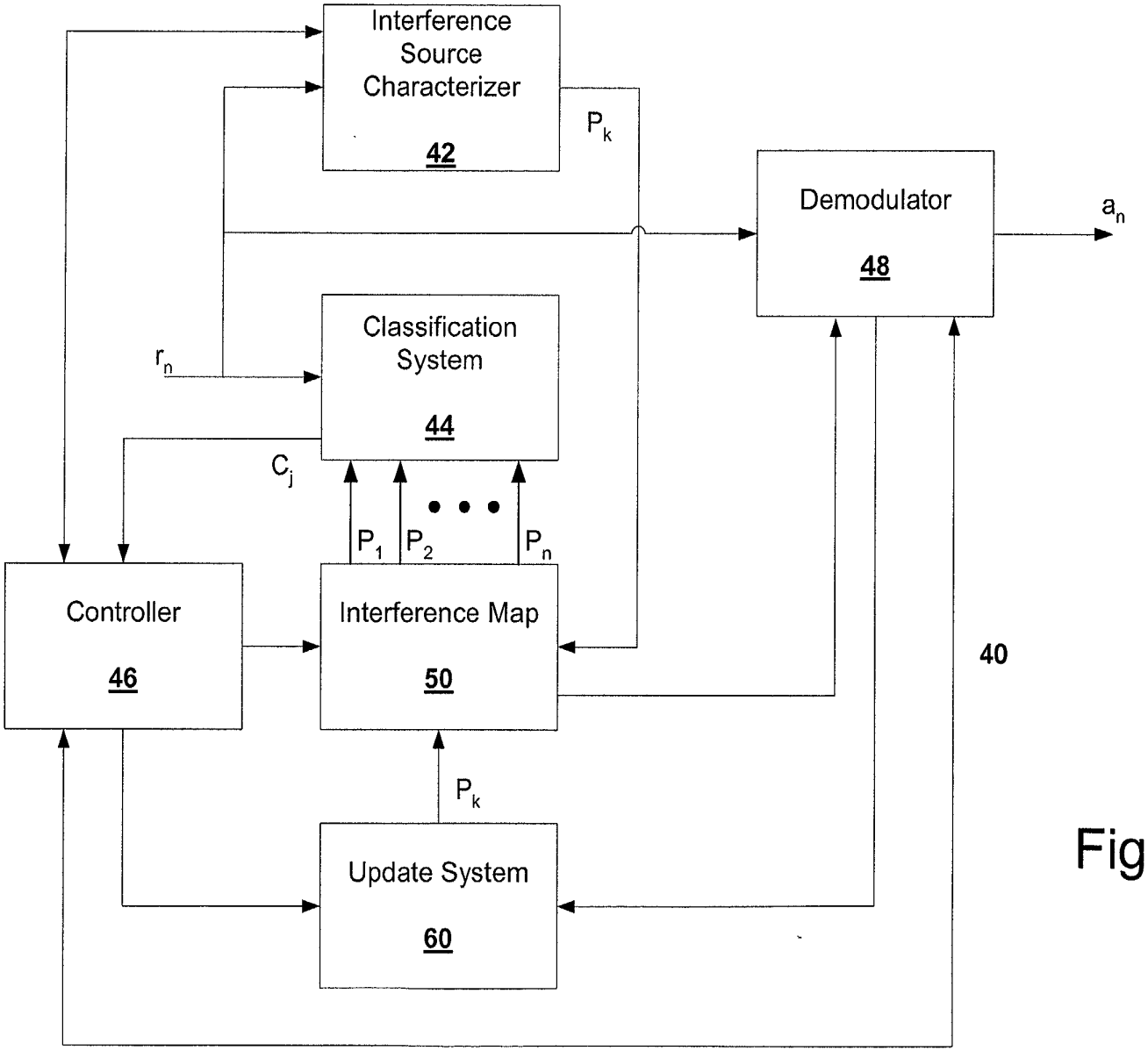

Figure 3

FIG-4 Page 5 of 8 2/28/2005 3:50:54 PM

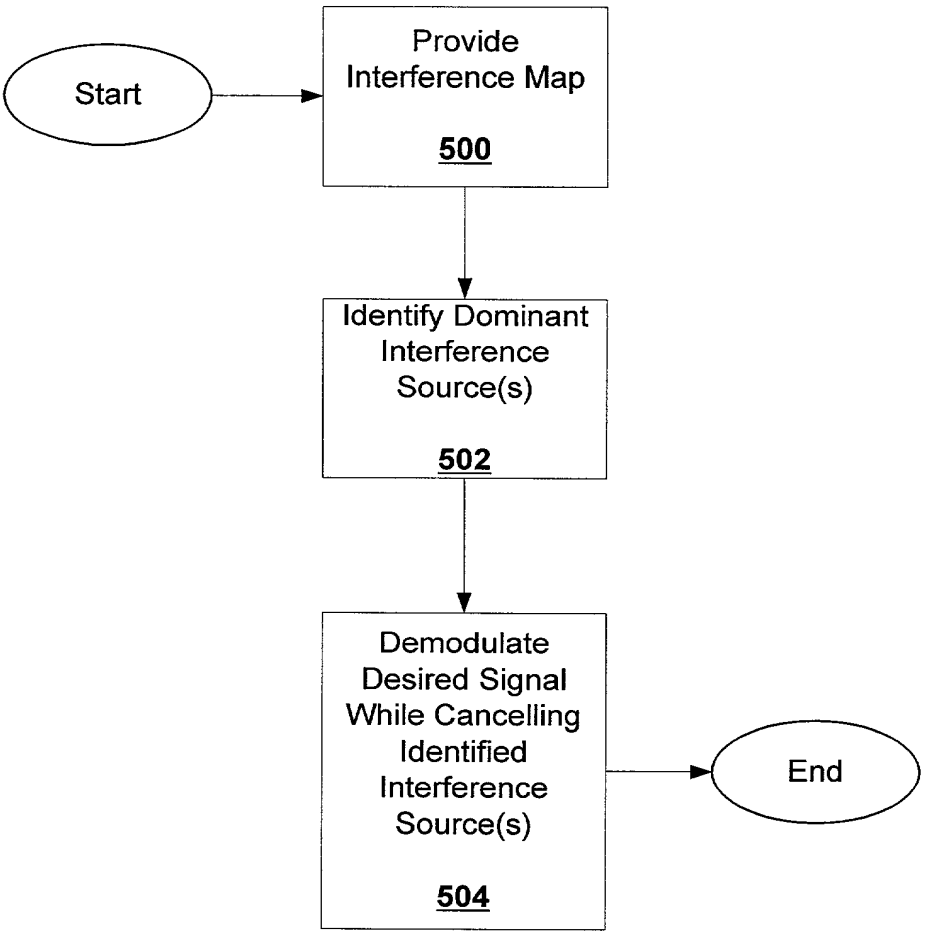

Figure 4

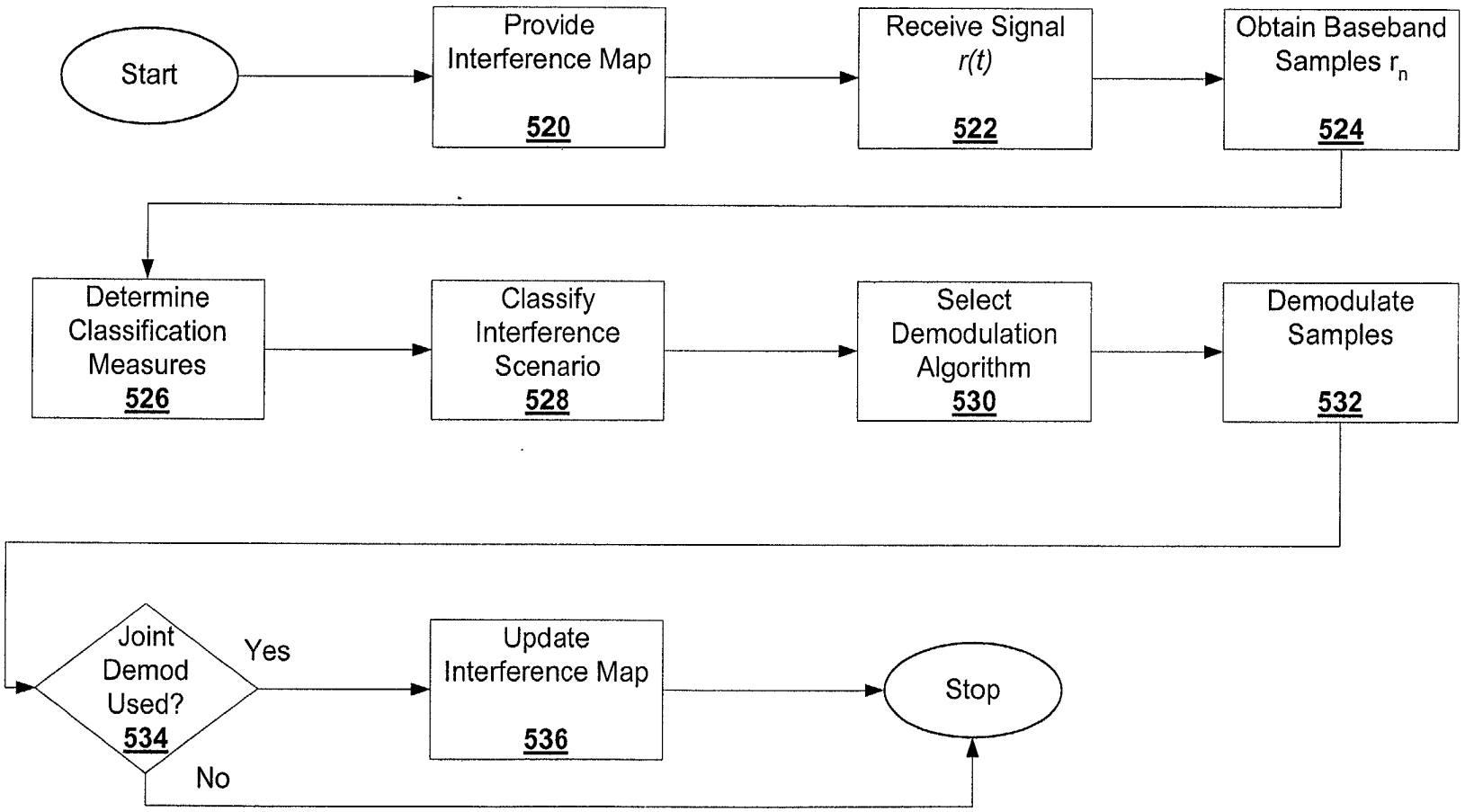
Start
Provide Interference Map
520
Receive Signal r(t)
522
Obtain Baseband Samples r_n
524
Determine Classification Measures
526
Classify Interference Scenario
528
Select Demodulation Algorithm
530
Demodulate Samples
532
Joint Demod Used?
534
Yes
No
Update Interference Map
536
Stop

Figure 5

TOTAHO" T092E860

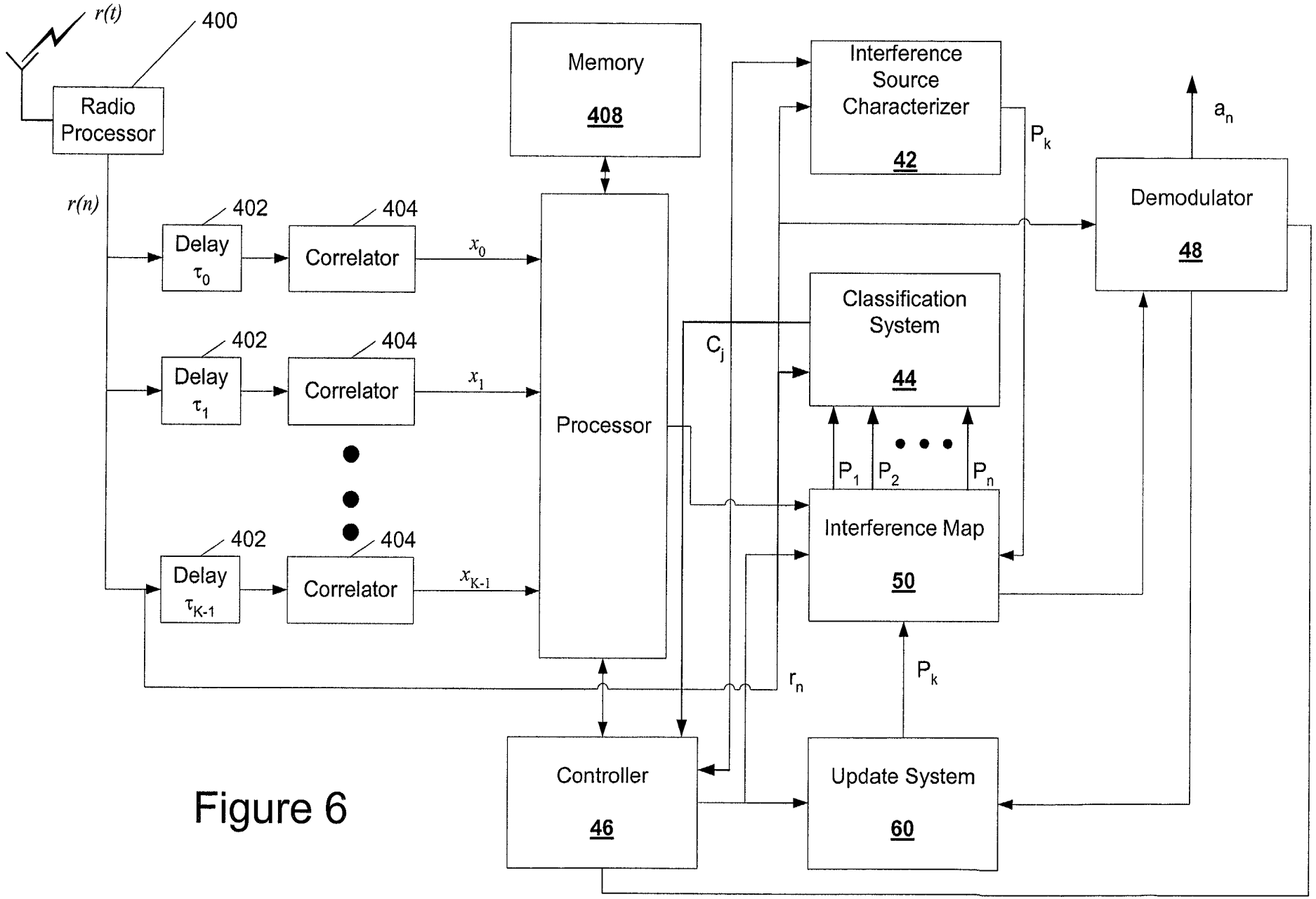

Figure 6

AN EXEMPLARY INTERFERENCE MAP STRUCTURE

	SLOT TIMING OFFSET	FREQUENCY OFFSET	SYNC PATTERN	DVCC
INTERFERING SOURCE I	-29 3/8 symbols	58 Hz	2	10100100
INTERFERING SOURCE 2	+113 1/4 symbols	87Hz	5	01011110
INTERFERING SOURCE 3	+12 3/4 symbols	-25Hz	6	01011011
INTERFERING SOURCE 4	-22 7/8 symbols	-125Hz	1	11101110
INTERFERING SOURCE 5	-113 1/2 symbols	117Hz	4	10011000
INTERFERING SOURCE 6	+47 5/8 symbols	-11Hz	4	10111110

FIGURE 7